

**The Knowledge Bank at The Ohio State University**

**Ohio State Engineer**

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# To the Graduating Seniors of Ohio High Schools

## College Starts in June!

On June 22nd the doors of The Ohio State University will open for the summer quarter. This quarter will not be the usual summer term, rather, it will be the start of the new school year 1942-1943.

Because of the urgent need for college graduates in war industry and in the services from professions such as: Engineering, Medicine, Dentistry, and others, The Ohio State University and other colleges throughout the country have adopted the policy of year-around school. This means that the fall quarter will be advanced three months ahead, thereby eliminating the summer vacation period.

In all of the ten colleges and the Graduate School of the University, full time work toward the desired degree will start in June. However, if some students find it impossible to start in June, courses will be available during other quarters to enable the student to start in October, January, or March.

A number of distinct advantages will be gained by starting with the accelerated school program. The most important are the following: One, you will start as a regular student and will avoid the irregular status if you had started at another date. Two, although you will have no summer vacations, you will complete in three years a curriculum which normally requires four years. Three, you will be placed in industry one year sooner where you will gain invaluable experience. Four, you may fit yourself for a position where you can best serve your country.

Reserve Officer Training Corps will offer a full schedule of courses in military training, both basic and advanced. Graduate students will also find increased opportunity in their respective fields of research and training with emphasis on defense production.

Extra-curricular interests will continue on the same basis as in the past. University organizations will function; dormitories will be open, and fraternities and sororities will play their same important role in college life.

If you are one who decides to attend college, you will have, upon graduation, an opportunity to work for a number of large industries that are engaged in

defense work. These companies are turning out the materials of war which will eventually preserve our American Ways and Ideals. Many of these great and vital industries are represented in this magazine. They understand the importance of friendly relations between the college student and industry. As you turn the pages of this magazine, you will see the representations of these Arsenals of Democracy and you will realize to what extent they are cooperating with the Engineering Students. My hat is off to them! So also The Ohio State University is endeavoring to cooperate with industry by starting an all-out production of college graduates.

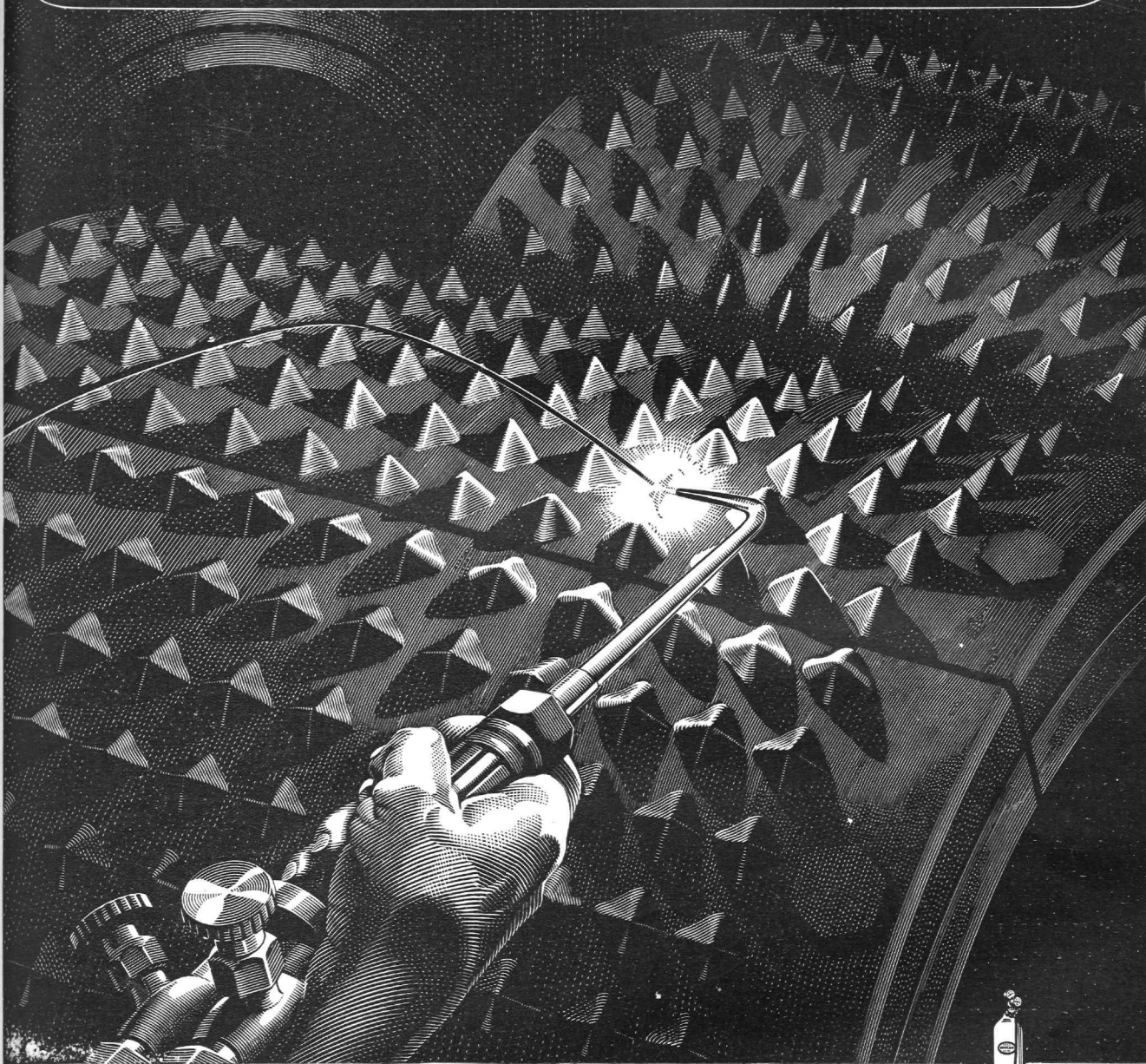
On May 15th, Engineers' Day will be observed. Each department in engineering will participate in a float parade. These floats will be symbolic of each department; the best designed and best built float will win an award. Numerous departments will present exhibitions; foundry will pour forth metallic wonders; machine shop and welding laboratory will give interesting demonstrations—all Departments of Engineering will be open for inspection. Prospective students and parents are cordially invited to visit the campus this day. It will be a wonderful opportunity to learn just what Ohio State University is doing.

The Ohio State Engineer also wishes to help the University in this present program, therefore, we are sending a magazine to each high school in Ohio to call to the attention of the graduating seniors the opportunities of college on a year-around schedule. It is hoped that the Principals to whom these magazines are addressed will make these magazines available to the students or advise them of these great opportunities.

Bulletins on the "speed-up" program are available upon request. Offices are open from eight to five daily, and until noon on Saturday. For further information concerning College in June, address your letters to the Dean of College concerned or to the Entrance Board, The Ohio State University, Columbus, Ohio.

By RUSSELL BARTHOLOMEW

## "FACE-SAVING" 20th CENTURY STYLE



**W**ORN teeth no longer render crushing equipment useless, nor do they mean long, costly delays. Today there is a simpler, faster, less expensive way — hard facing with the Airco Oxyacetylene Flame. Reports indicate that teeth built up by this proved Airco process last longer, yet cost only 25% of a new segment. Cost of replacing the entire crusher is, of course, far greater.

Airco Hard-Facing is a versatile process. Wearing parts of varying shape and size can be rebuilt economically, speedily. Standard oxyacetylene welding apparatus is employed.

Not only for maintenance of equipment, but on thousands of production lines, the Airco Oxyacetylene Flame is on the firing line speeding countless defense products to completion. It has been drafted to cut steel to any desired shape, to flame harden metal parts for longer life, to weld two or more metal parts into a strong, lasting unit, to machine metals with unrivaled speed, to clean and dehydrate metal surfaces for lasting paint jobs.

A pictorial review "Airco in the News" shows in an interesting manner these many uses of the flame. Write for copy.



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Every busy engineering student needs a Tape-Rule for his vest pocket—where it's handy and ready for those dozens of little measuring jobs that come up every day. There's no need wasting time in search of a tape or in trying to guess the measurement. Just reach in your pocket for your "Mezurall" or "Wizard." Your dealer can help you select the one you need.



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Mills and Factory Buildings

M T . V E R N O N - - - - - O H I O

## PRESENT ARMS



Right! Front! Center!

"School begins in June" — Now when all our regular and extraordinary mode of life has been stepped up to the "double quick" no time should be lost in groping around for the place to get things —and get things done.

For insignia, parting gifts, memory jewelry, and repairs on precious metal articles, phone WA. 5213 or consult in person at

## BASCOM BROS. SHOP

*Creative Jewelers*

12 EAST 11TH AVE.  
Southeast Corner — University Grounds



## DINNER-TIME AT HENNICK'S..

- THE LIGHTS ARE "TURNED UP"
- THE MUSIC IS "TONED DOWN"
- THE FOOD IS VERY GOOD
- YOU WILL ENJOY YOUR DINNER

## HENNICK'S

R E S T A U R A N T

*At the Gate of the Campus for Over 30 Years*

ATTEND

*The Military Ball*

DANCE TO

*Bob Chester's Music*

FRIDAY, MAY 1st

Men's Gymnasium

10—2

Formal

Tickets on sale at

Hennicks  
Varsity Drug

Heaton's  
Armory





## Frozen in **PLASTIC**

HERE IS GOOD NEWS for mixers of cold beverages for home consumption. A plastic "package" for ice cubes—a new type of ice tray—is now on the market.

Each cube of ice is frozen in individual, removable plastic cups—a cup for continuous use in each of the twelve compartments of the tray. The cups are lifted from the tray and the cubes are easily removed with but slight pressure. Cups are then filled and replaced in the tray. Convenience, ease of handling, and economy of ice are among the many practical advantages.

This advance in ice tray design and construction has been made possible through the development of Ethocel® Sheeting—a

remarkable member of the Dow plastic family. First, this particular type of plastic can be "deep-drawn"—just like metal. Thus, the cups are formed out of a single sheet. Second, Ethocel Sheeting stands up under low temperatures and is not adversely affected by moisture.

Ethylcellulose plastic is one of a host of basic products produced by Dow. You will find it at your favorite shops in the form of handsome packages for all manner of merchandise.

The application of Ethocel Sheeting to the ice cube problem illustrates how a versatile, tough, easily fabricated plastic can give manufacturers an opportunity to replace much needed strategic metals

now required elsewhere for the vital necessities of national defense.

This is the underlying significance of plastic ice trays and why Dow believes the entrance of Ethylcellulose plastic into new fields will help materially to alleviate a serious shortage in other materials.

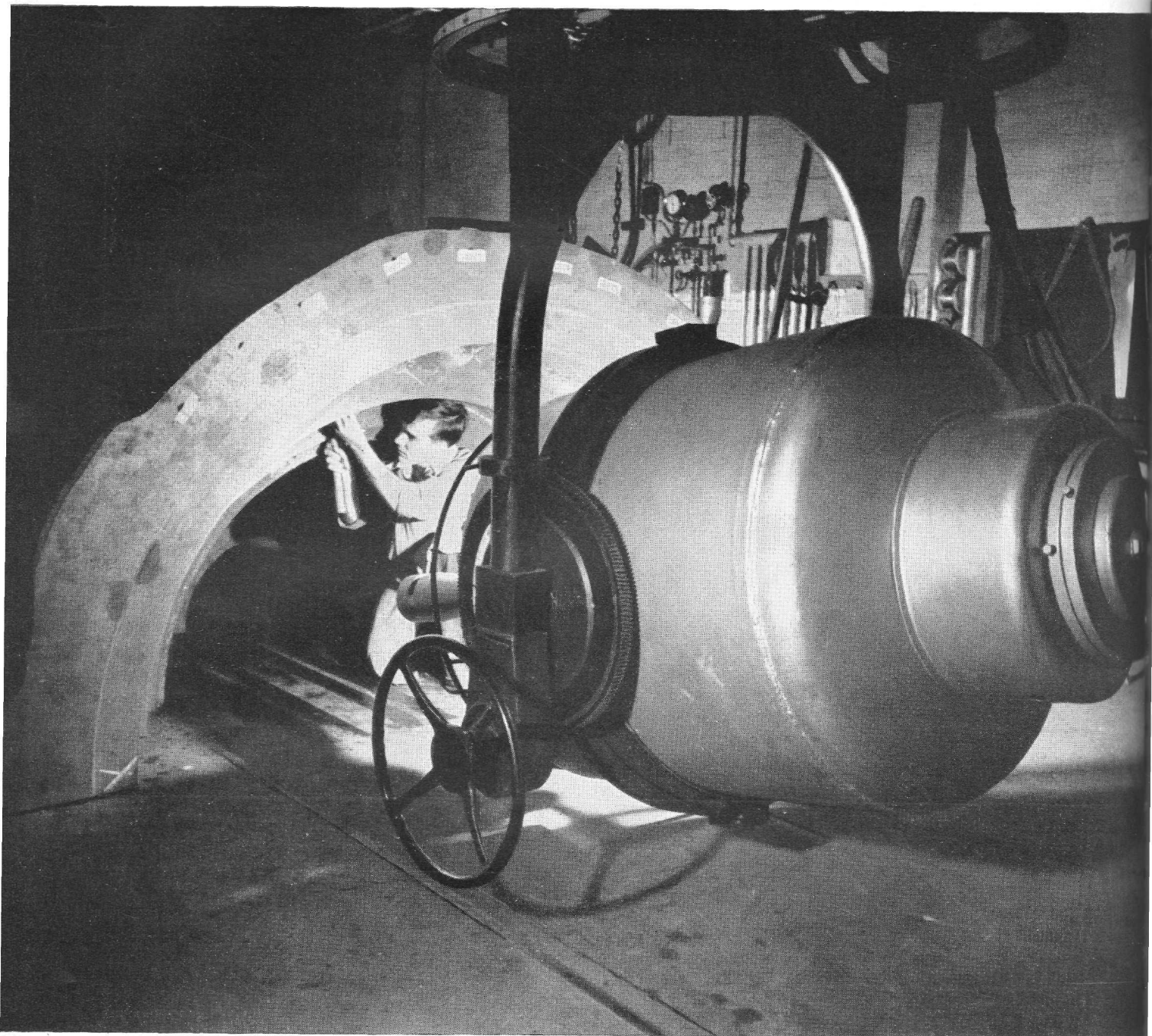
\*Trade Mark Reg. U. S. Pat. Off.



CHEMICALS INDISPENSABLE  
TO INDUSTRY AND VICTORY

THE DOW CHEMICAL COMPANY, MIDLAND, MICHIGAN  
New York City—St. Louis—Chicago—San Francisco—Los Angeles—Seattle—Houston

## MILLION VOLT INDUSTRIAL X-RAYS



Courtesy General Electric Co.

### SETTING UP FOR RADIOGRAPHY OF A THICK METAL SHELL

This portable million-volt X-ray unit operates continuously at 3.0 milliamp current. It will produce X-rays which both in quantity and quality are equivalent to those obtained from large air-insulated and immovable X-ray units previously designed for medical applications. The ability to move this unit around easily in all directions makes it a flexible and powerful tool for the rapid radiographic examination of castings and metal structures which vary greatly in size and in wall thickness.